

ABSTRACT OF THE DISCLOSURE

A receiver informs a delay profile and CIR measured in an FDE or a Rake receiver, together with a bit error rate of a received signal that is required in a receiver, as
5 quality information to a transmitter. In the transmitter, based on the delay profile and CIR contained in the notified quality information, a number of code division multiplex and a frame format are decided in a decision circuit such that a bit error rate of a received signal, which is necessary on the receiver side, can be obtained. In addition, a
transmission selection switch selects one of a unique word insertion unit and a cyclic
10 prefix insertion unit that create a frame format for FDE reception and a pilot insertion unit and a complex scrambling unit that create a frame format for Rake reception, and data is then transmitted.